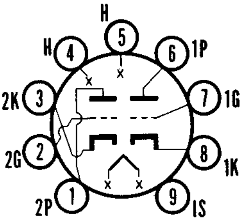


SYLVANIA TYPES 6JK8 8JK8 17JK8



9 AJ

MECHANICAL DATA

Bulb	T-6½
Base	E9-1, Miniature Button 9-Pin
Outline	6-2
Basing	9AJ
Cathode	Coated Unipotential
Mounting Position	Any

ELECTRICAL DATA

HEATER CHARACTERISTICS

Heater Operation	17JK8 Series	8JK8 Series	6JK8 Parallel	
Heater Voltage	16.8	8.4	6.3	Volts
Heater Current	150	300	400	Ma
Heater Warm-up Time	17	—	—	Seconds
Maximum Heater-Cathode Voltage				
Heater Negative with Respect to Cathode				
Total D C and Peak			100	Volts
Heater Positive with Respect to Cathode				
Total D C and Peak			100	Volts

DIRECT INTERELECTRODE CAPACITANCES (Shielded)

	Section No. 1	Section No. 2	
Grid to Plate	1.4	.60	μμf
Input: g to (h+k+I.S.+E.S.)	3.0	5.0	μμf
Output: p to (h+k+I.S.+E.S.)	1.0	4.0	μμf
Heater to Cathode	2.8	2.8	μμf
Grid to Grid	.003		μμf Max.
Plate to Plate	.009		μμf Max.

RATINGS (Design Maximum Values)

	Oscillator Section No. 1	R-F Amp. Section No. 2	
Plate Voltage	165	200	Volts Max.
Plate Dissipation	1.0	2.0	Watts Max.
D C Cathode Current	22	22	Ma Max.
Negative Grid Voltage	50	50	Volts Max.
Grid Circuit Resistance (Self Bias)	1.0	1.0	Megohms Max.

CHARACTERISTICS AND TYPICAL OPERATION

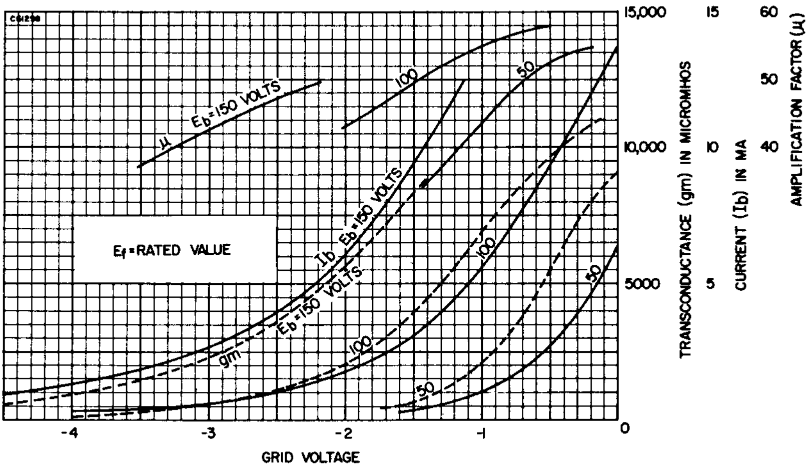
	Oscillator Section No. 1	R-F Amp. Section No. 2	
Class A1 Amplifier			
Plate Voltage	100	135	Volts
Grid Voltage	−1.0	−1.2	Volts
Plate Current	5.3	10	Ma
Transconductance	6800	13,000	μmhos
Amplification Factor	55	70	
Plate Resistance (approx.)	8000	5400	Ohms
Ec for Ib = 20 μA (Approx.)	−4.4	—	Volts
Ec for Gm = 150 μmhos (approx.)	—	−5.5	Volts
Ec for Gm = 1500 μmhos (approx.)	—	−2.8	Volts

APPLICATION

The Sylvania Types 6JK8, 8JK8, and 17JK8 are dissimilar duo triodes designed especially for FM tuners. They feature a strap frame grid RF amp. and an oscillator mixer in a T-6½ bulb. The design engineer can obtain 40 db of quieting at less than 10 μV signal with simple circuitry.

SYLVANIA TYPES 6JK8, 8JK8, 17JK8 (Cont'd)

AVERAGE TRANSFER CHARACTERISTICS
(Section No. 1)



AVERAGE TRANSFER CHARACTERISTICS
(Section No.2)

